

PROSTHETIC DEVICE FOR JOINTS

Publication number: JP2000503865 (T)

Publication date: 2000-04-04

Inventor(s):

Applicant(s):

Classification:



- **international:** **A61F2/30; A61F2/42; A61F2/00; A61F2/02; A61F2/44; A61F2/30; A61F2/42; A61F2/00; A61F2/02; A61F2/44; (IPC1-7): A61F2/30; A61F2/42**

- **European:** **A61F2/30B8; A61F2/42H**

Application number: JP19970526779T 19970122

Priority number(s): WO1997SE00093 19970122; SE19960000220 19960122

Also published as:

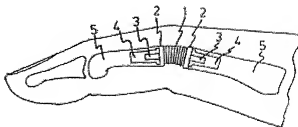
 WO9726846 (A1)
 US6342076 (B1)
 SE9600220 (L)
 SE9600220 (L)
 SE510125 (C2)

more >>

Abstract not available for JP 2000503865 (T)

Abstract of corresponding document: **WO 9726846 (A1)**

A prosthetic device for joints for implantation in humans and animals is disclosed, comprising a joint body (1) arranged between two fixing elements which are adapted to be connected to adjoining bone parts (5), the joint body (1) comprising at least one essentially helical spring means, and the ends of each spring means being connected to the fixing elements.



Data supplied from the **esp@cenet** database — Worldwide

(51) IntCl⁷

識別記号

F I

テマコード (参考)

A 6 1 F 2/30

A 6 1 F 2/30

2/42

2/42

審査請求 未請求 予備審査請求 有 (全 24 頁)

(21) 出願番号 特願平9-526779
 (86) (22) 出願日 平成9年1月22日 (1997.1.22)
 (85) 翻訳文提出日 平成10年7月22日 (1998.7.22)
 (86) 国際出願番号 P C T / S E 9 7 / 0 0 0 9 3
 (87) 国際公開番号 W O 9 7 / 2 6 8 4 6
 (87) 国際公開日 平成9年7月31日 (1997.7.31)
 (31) 優先権主張番号 9 6 0 0 2 2 0 - 9
 (32) 優先日 平成8年1月22日 (1996.1.22)
 (33) 優先権主張国 スウェーデン (S E)

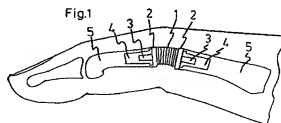
(71) 出願人 ハンデベロブ アクチボラゲット
 スウェーデン国エーサー240 13 ゲナルブ,
 ブヨルンストルプ, オネスロフ 16
 (72) 発明者
 ルンドボルグ, ゴーラン
 スウェーデン国 エーサー240 13 ゲナル
 ブ, ブヨルンストルプス パイ
 (74) 代理人 弁理士 浅村 皓 (外3名)

最終頁に続く

(54) 【発明の名称】 関節用補綴装置

(57) 【要約】

人および動物に移植するための関節用補綴装置が開示され、隣接する骨部 (5) に結合するようにされた二つの固定要素の間に配設された関節本体 (1) を含み、この関節本体 (1) が少なくとも一つの本質的にコイル状のばね装置を含み、各ばね装置の端がこれらの固定要素に結合されている。



.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

• • • • •

.....

This image shows a full page of dot grid paper. The dots are arranged in a precise, repeating pattern across the entire surface, providing a guide for writing or drawing without solid lines.

[illegible]

• • • • •

• • • • •

This image shows a full page of dot grid paper. The dots are arranged in a precise, repeating pattern across the entire surface, forming a grid that is useful for writing, drawing, or organizing information. The dots are small and dark, set against a light background.

[illegible]

.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

.....
.....

.....
.....
.....

• • • • •

.....

This image shows a full page of dot grid paper. It features horizontal rows of small black dots spaced evenly across the page, providing a guide for writing or drawing. The dots are arranged in straight lines, creating a clean and organized appearance. There are no margins, text, or other markings on the page.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

[illegible][illegible]

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

•••••

.....

.....

.....

.....

.....

[illegible][illegible][illegible]

.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

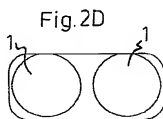
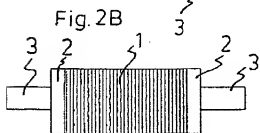
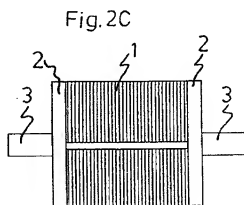
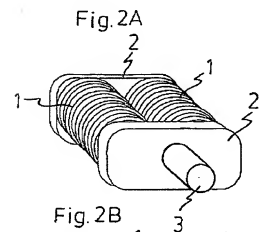
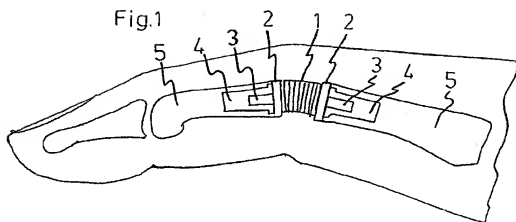
.....
.....
.....

.....
.....
.....
.....
.....
.....

.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....



.....

Fig.3A

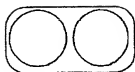


Fig.3B



Fig.3C

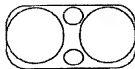


Fig.3D



Fig.3E

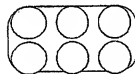


Fig.3F

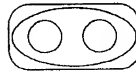
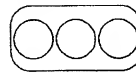


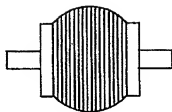
Fig.3G



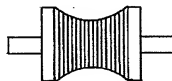
Fig.3H



• • • • •



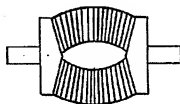
• • • • •



.....



● ● ● ● ●



.....
.....
.....

.....
.....
.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
.....
.....

.....
.....
.....
.....

.....

.....
.....
.....

.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....

.....
.....
.....
.....
.....
.....
.....

.....
.....
.....

.....

.....

.....

.....

.....

.....

.....

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 97/00093

A. CLASSIFICATION OF SUBJECT MATTER

IPC5: A61F 2/30 // A 61 F 2/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC5: A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EP0000

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9107149 A1 (AB VOLVO), 30 May 1991 (30.05.91), page 3, line 6 - line 23, figures 1-4	1-4, 7-8, 15-16
A	WO 9116014 A1 (NEDEVELOP AB), 31 October 1991 (31.10.91), page 7, line 23 - line 35, figures 13-14	1, 3, 16
A	EP 0057597 A2 (DEC EUROPE LIMITED), 11 August 1982 (11.08.82)	1, 16
A	US 3990116 A (I.E. FIXEL ET AL.), 9 November 1976 (09.11.76), column 3, line 63 - column 4, line 6, figure 3	1-4, 16

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

A documents defining the general state of the art which is not considered to be of particular relevance

E other document but published on or after the international filing date

L document which may throw doubts on priority status(s) or which is cited to establish the publication date of another citation or other special reasons (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combinations being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

21 May 1997

Date of mailing of the international search report

22.05.97

Name and mailing address of the ISA/

Swedish Patent Office

Box 508E, S-102 42 STOCKHOLM

Postoffice No. +46 8 666 02 86

Authorized officer

Leif Brander

Telephone No. +46 8 782 25 00

Form PCT/ISA/210 (second sheet) (July 1993)

INTERNATIONAL SEARCH REPORT
Information on patent family members

02/04/91

International application No.

PCT/SE 97/00093

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9107149 A1	30/05/91	EP 0502039 A JP 4503025 T SE 464961 B,C SE 8903838 A	09/03/92 04/06/92 08/07/91 16/05/91
WO 9116014 A1	31/10/91	AT 114235 T AU 7760491 A DE 69105234 D EP 0454645 A,B SE 9001430 D	15/12/94 11/11/91 00/00/00 30/10/91 00/00/00
EP 0057597 A2	11/08/82	CA 1187651 A US 4634445 A	28/05/85 06/01/87
US 3990116 A	09/11/76	NONE	

Form PCT/ISA/210 (patent family annex) (July 1992)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....